## Least Common Multiple

Find the LCM of each set of numbers.

1. 15,20 $\qquad$ 2. 4,50 $\qquad$ 3. 8,12
2. 14,42 $\qquad$ 5. 21,30 $\qquad$
3. 16,20 $\qquad$
4. $6,7,8$ $\qquad$
5. At what times of the day between 10:00 A.m. and 5:00 P.м. do the chemistry presentation and the recycling presentation start at the same time?
$\qquad$
6. The museum does shows in schools every Monday and shows in public libraries every fifth day (on both
7. $3,7,10$ $\qquad$
8. 12,16

## Science Museum

- Show Schedule -

Chemistry - Every 30 minutes
Electricity - Every 20 minutes
Recycling - Every 40 minutes
Fossils - Every 45 minutes

The first showing for all shows is at 10:00 A.M. weekdays and weekends). If the museum did both a school show and a library show on Monday, how many days will it be until it does both shows on the same day again?
12. Which of the following pairs of numbers is correctly listed with its LCM?

A 5, 15; LCM: 30
B 20, 30; LCM: 60
C 24, 36; LCM: 12
D 7, 9; LCM: 21
13. Writing to Explain What method would you use to find the LCM of a group of four numbers? Explain and give an example.
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